

FIG. 1

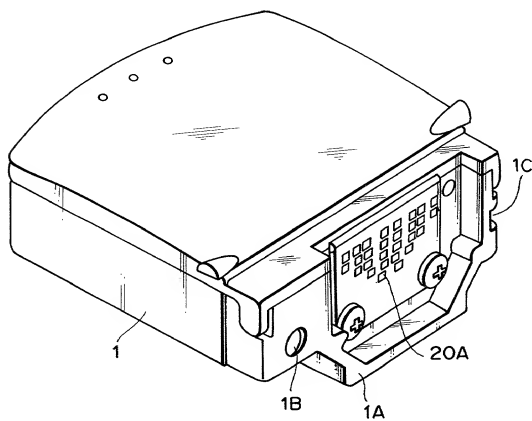


FIG. 2

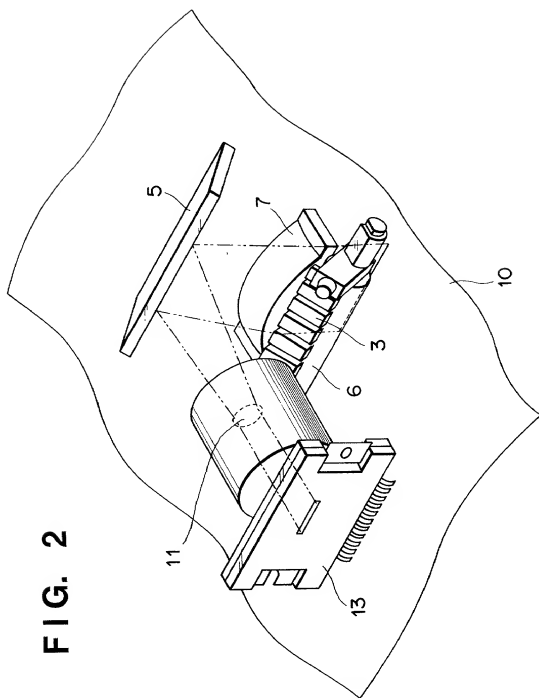


FIG. 3

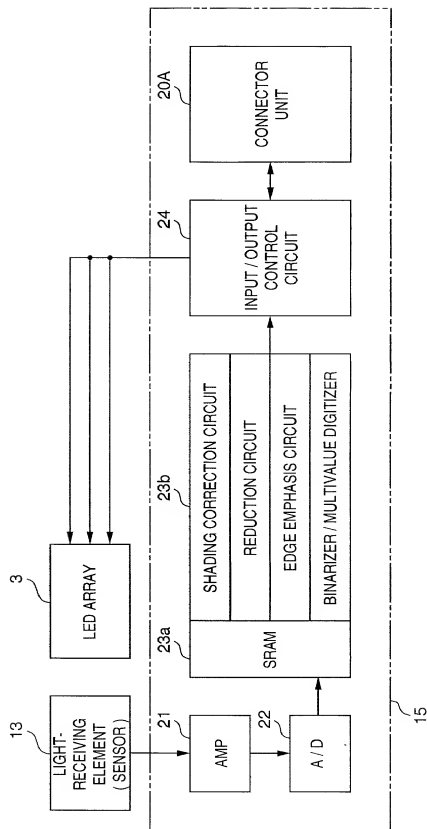


FIG. 4

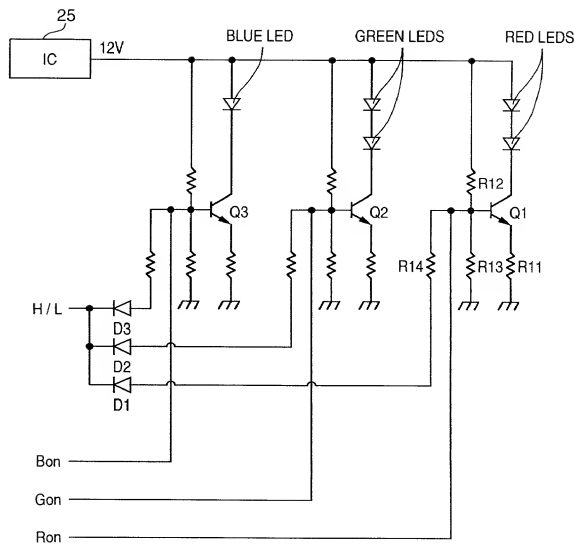
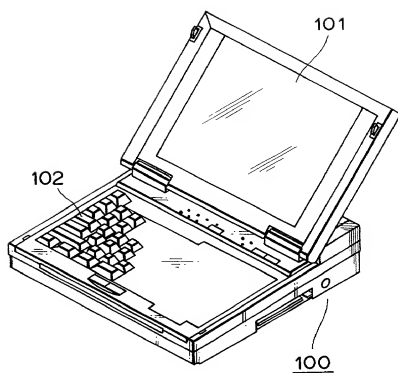


FIG. 5



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FIG. 6

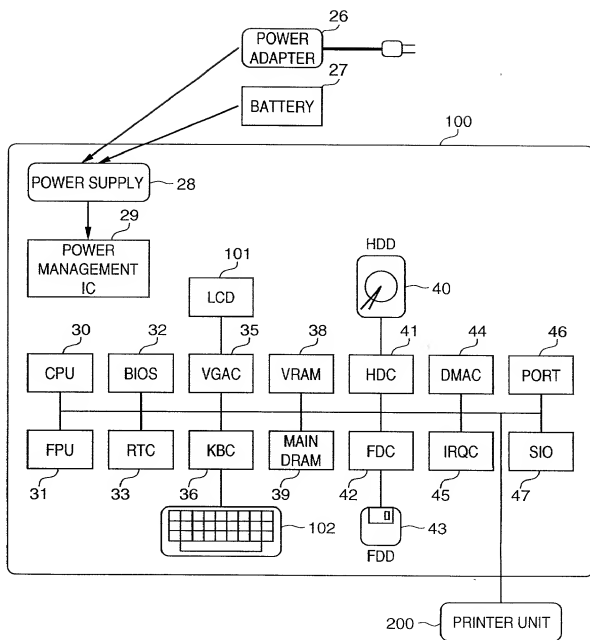


FIG. 7

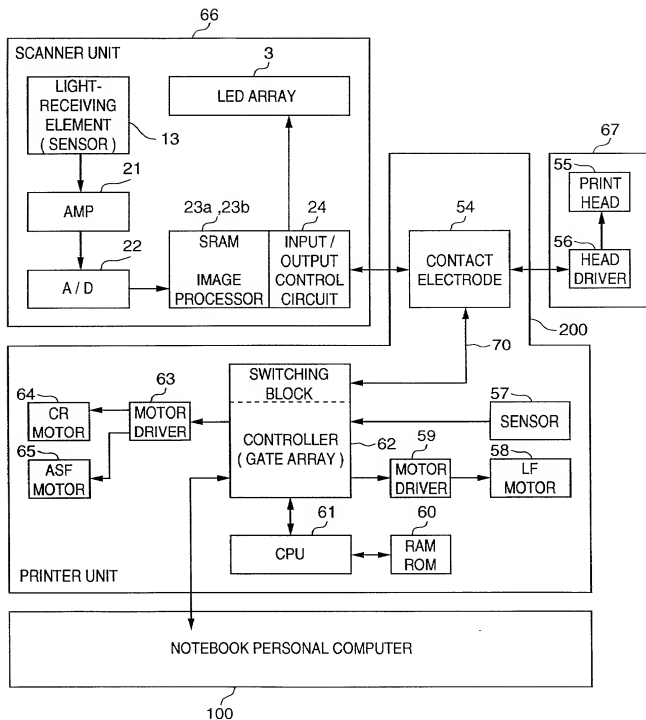
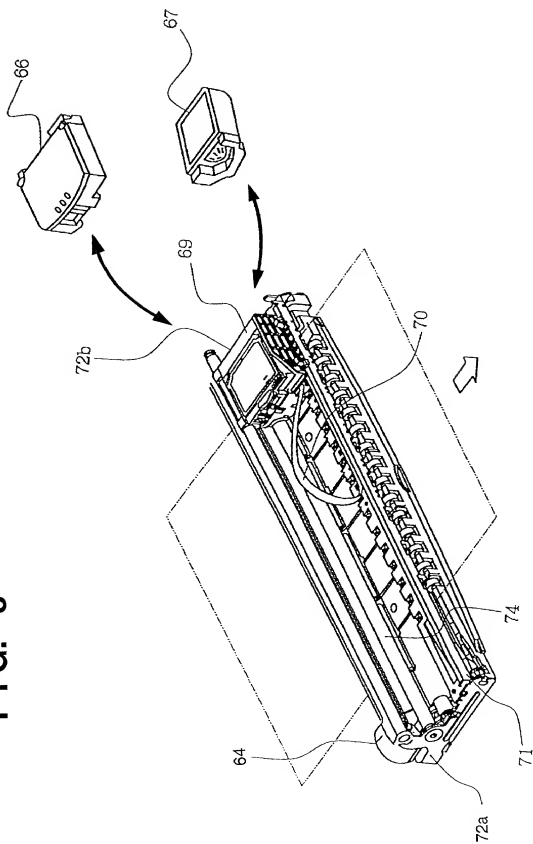


FIG. 8



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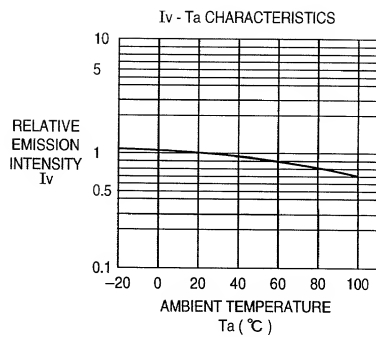
FIG. 9

FIG. 10

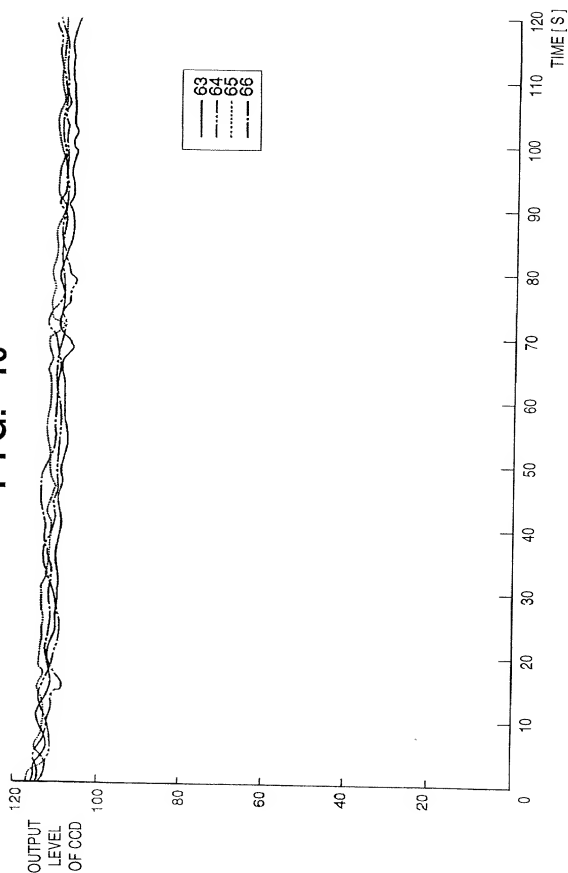


FIG. 12A

COLOR MODE

RESOLUTION	ACCUMULATION TIME	FORWARD msec	BACKWARD msec	ONE-LINE TIME msec	DOT WIDTH	NUMBER OF TIMES	A4 TIME msec
360 × 360 dpi	256μsec	3.9K	3.9K		64		
ØTR = 0 COLOR		863.4	863.4	1726.8		66	341906.4
							5'42"
180 × 180 dpi	320μsec	6.25K	6.25K		64		
ØTR = 0 COLOR		545.4	545.4	1090.8		66	215978.4
							3'36"
90 × 90 dpi	307μsec	6.51K	6.51K		64		
ØTR = 0 COLOR		523.6	523.6	1047.2		66	207345.6
							3'27"
200 × 360 dpi	288μsec	6.25K	6.25K		64		
ØTR = 0 COLOR		545.4	545.4	1090.8		66	215978.4
							3'36"
300 × 360 dpi	307μsec	3.9K	3.9K		64		
ØTR = 0 COLOR		863.4	863.4	1726.8		66	341906.4
							5'42"

PAPER FEED TIME : 5 SEC

DELIVERY TIME : 1 SEC

SCAN AREA

HORIZONTAL : 203mm (8 inch)

VERTICAL : 297mm (11.7 inch)

FIG. 12B

MONOCHROME MULTIVALUE MODE

RESOLUTION	ACCUMULATION TIME	FORWARD msec	BACKWARD msec	ONE-LINE TIME msec	DOT WIDTH	NUMBER OF TIMES	A4 TIME msec
360 × 360 dpi	256μsec	3.9K	3.9K		64		
ØTR = 0 MONO		863.4	863.4	1726.8		66	113968.8
							1'54"
180 × 180 dpi	320μsec	6.25K	6.25K		64		
ØTR = 0 MONO		545.4	545.4	1090.8		66	71992.8
							1'12"
90 × 90 dpi	307μsec	6.51K	6.51K		64		
ØTR = 0 MONO		523.6	523.6	1047.2		66	69115.2
							1'09"
200 × 360 dpi	288μsec	6.25K	6.25K		64		
ØTR = 0 MONO		545.4	545.4	1090.8		66	71992.8
							1'12"
300 × 360 dpi	307μsec	3.9K	3.9K		64		
ØTR = 0 MONO		863.4	863.4	1726.8		66	113968.8
							1'54"

PAPER FEED TIME : 5 SEC

DELIVERY TIME : 1 SEC

SCAN AREA

HORIZONTAL : 203mm (8 inch)

VERTICAL : 297mm (11.7 inch)

FIG. 12C

MONOCHROME BINARY MODE

RESOLUTION	ACCUMU- LATION TIME	FORWARD msec	BACKWARD msec	ONE-LINE TIME msec	DOT WIDTH	NUMBER OF TIMES	A4 TIME msec
360 × 360 dpi ØTR = 0 MONO	256μsec	3.9K	3.9K		64		
		863.4	863.4	1726.8		66	113968.8
							1'54"
180 × 180 dpi ØTR = 0 MONO	320μsec	6.25K	6.25K		64		
		545.4	545.4	1090.8		66	71992.8
							1'12"
90 × 90 dpi ØTR = 0 MONO	307μsec	6.51K	6.51K		64		
		523.6	523.6	1047.2		66	69115.2
							1'09"
200 × 360 dpi ØTR = 0 MONO	288μsec	6.25K	6.25K		64		
		545.4	545.4	1090.8		66	71992.8
							1'12"
300 × 360 dpi ØTR = 0 MONO	307μsec	3.9K	3.9K		64		
		863.4	863.4	1726.8		66	113968.8
							1'54"

PAPER FEED TIME : 5 SEC
 DELIVERY TIME : 1 SEC

SCAN AREA
 HORIZONTAL : 203mm (8 inch)
 VERTICAL : 297mm (11.7 inch)

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FIG. 13

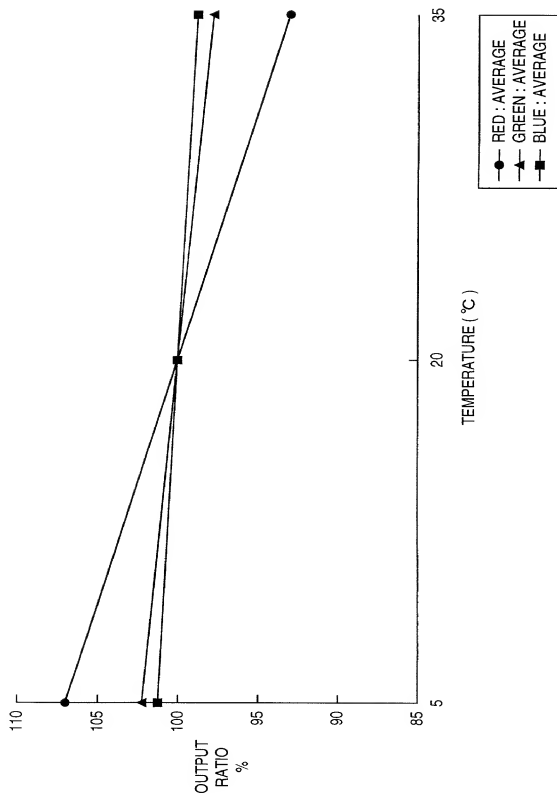
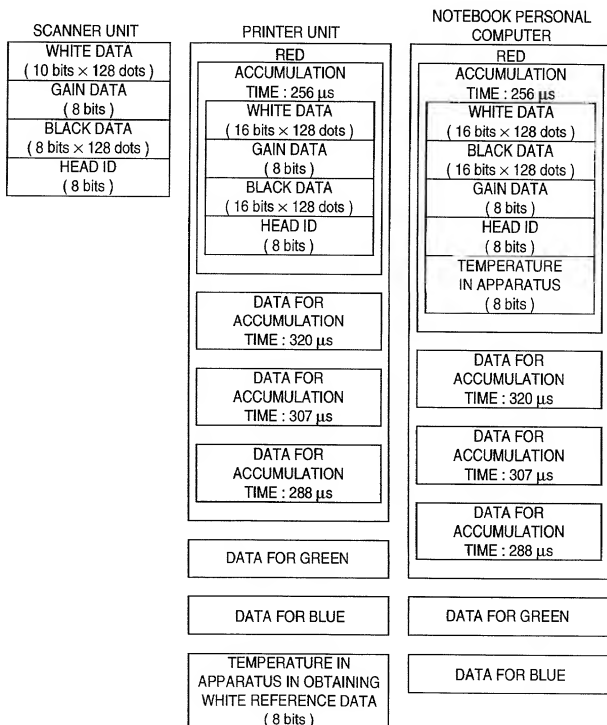


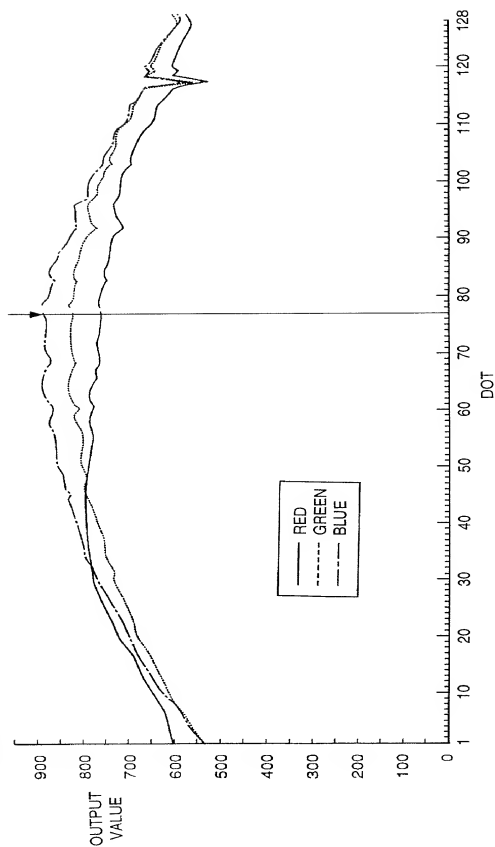
FIG. 14



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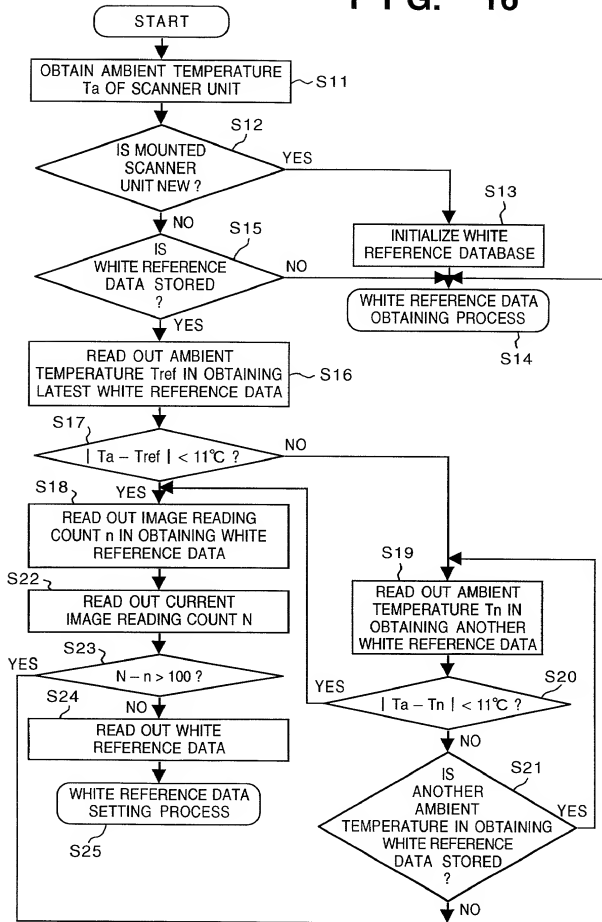
FIG. 15

ATMOSPHERE : ROOM TEMPERATURE (25°C)
LNST : 256 μ SEC



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FIG. 16



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FIG. 17

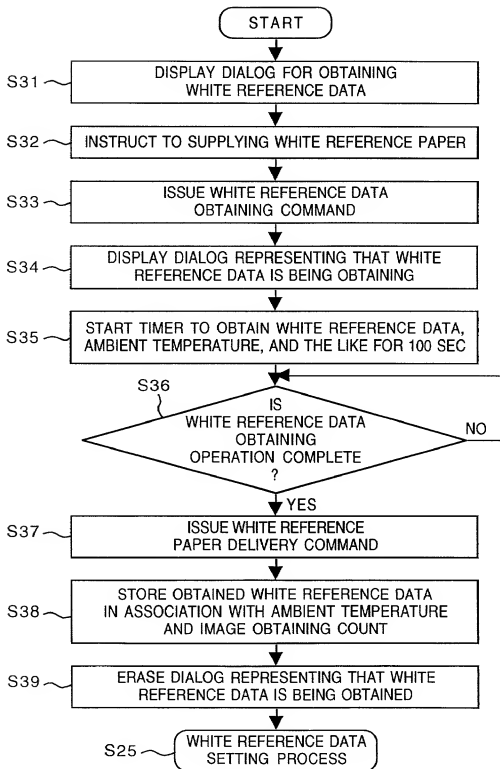
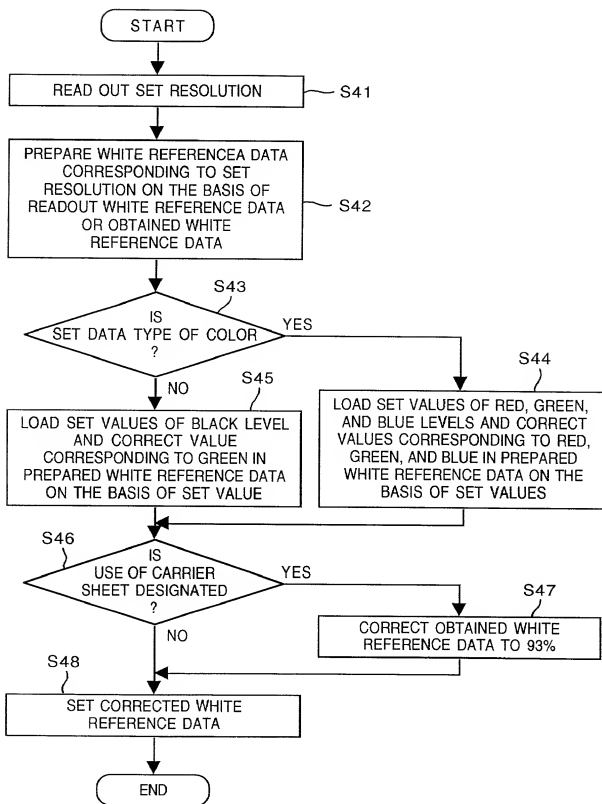
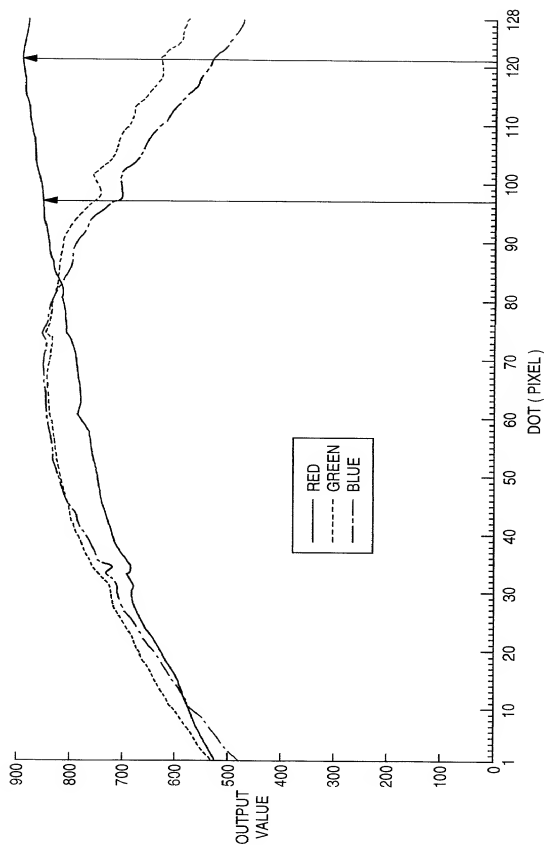


FIG. 18



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FIG. 19



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FIG. 20

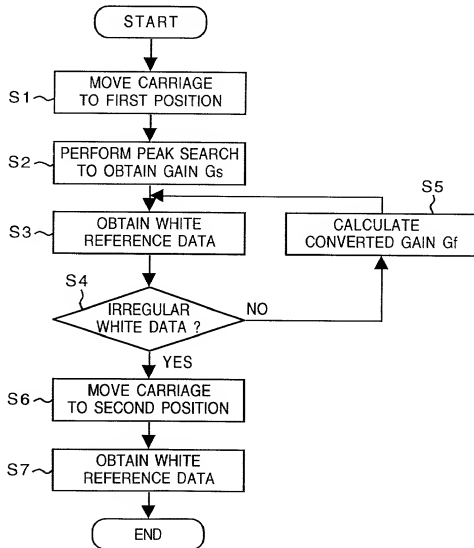


FIG. 21
(PRIOR ART)

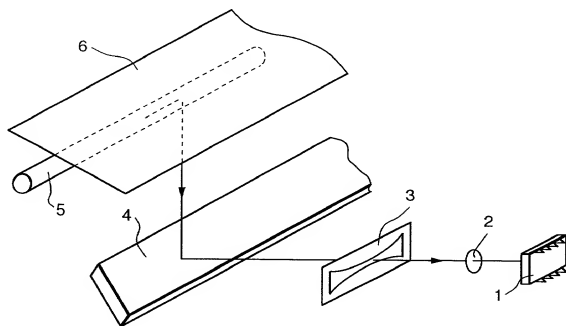


FIG. 22A

0	WHITE REFERENCE DATA OBTAINING COUNT
1	TEMPERATURE IN OBTAINING FIRST REFERENCE DATA
2	TEMPERATURE IN OBTAINING SECOND REFERENCE DATA
3	TEMPERATURE IN OBTAINING THIRD REFERENCE DATA
4	TEMPERATURE IN OBTAINING FOURTH REFERENCE DATA
5	TEMPERATURE IN OBTAINING FIFTH REFERENCE DATA
6	SUPPLEMENTARY AREA
...	
15	

FIG. 22B

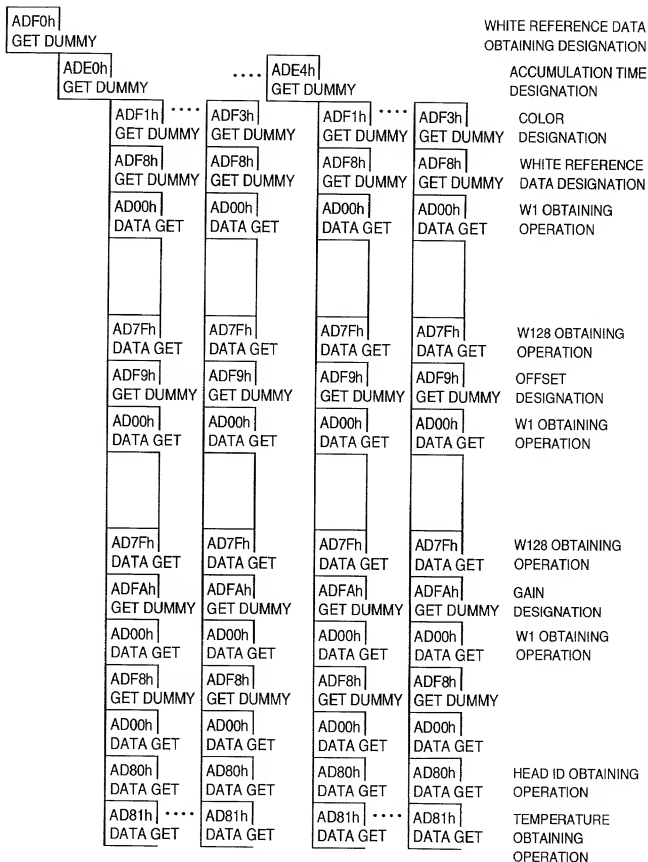
FIRST WHITE REFERENCE DATA			
TIME STAMP			
WHITE REFERENCE DATA FOR ACCUMULATION TIME OF 256 μ S			
WHITE REFERENCE DATA FOR RED			
WHITE DATA 1		...	WHITE DATA 128
BLACK DATA 1		...	BLACK DATA 128
GAIN	SUPPLEMENTARY	ID	TEMPERATURE
WHITE REFERENCE DATA FOR GREEN			
WHITE REFERENCE DATA FOR BLUE			
WHITE REFERENCE DATA FOR ACCUMULATION TIME OF 320 μ S			
WHITE REFERENCE DATA FOR ACCUMULATION TIME OF 307 μ S			
WHITE REFERENCE DATA FOR ACCUMULATION TIME OF 288 μ S			
WHITE REFERENCE DATA FOR ACCUMULATION TIME OF 307 μ S			
SECOND WHITE REFERENCE DATA			
THIRD WHITE REFERENCE DATA			
FOURTH WHITE REFERENCE DATA			
FIFTH WHITE REFERENCE DATA			

FIG. 23

COMMAND PARAMETER	COMMAND CONTENTS
1000H	PORT INITIALIZATION
3000H ~	LEFT OFFSET VALUE DESIGNATION
4000H	PRINT IMAGE TRANSFER
8000H ~	SCANNER READING COMMAND
9000H ~	FEED
9FF0H	DELIVERY
9FF1H	PAPER FEED
A700H	OPERATION FOR OBTAINING CURRENT HEAD TEMPERATURE AND TEMPERATURE IN APPARATUS
A801H	OPERATION FOR OBTAINING MOUNTED HEAD INFORMATION
A809H	OPERATION FOR OBTAINING MOUNTED HEAD ID
AD00H ~ AD7FH	OPERATION FOR OBTAINING WHITE REFERENCE DATA FOR EACH DOT
AD80H	OPERATION FOR OBTAINING HEAD ID IN OBTAINING WHITE REFERENCE DATA
AD81H	OPERATION FOR OBTAINING TEMPERATURE IN OBTAINING WHITE REFERENCE DATA
ADE0H ~ ADE4H	ACCUMULATION TIME DESIGNATION
ADF0H	WHITE REFERENCE DATA OBTAINING DESIGNATION
ADF1H ~ ADF3H	R, G, AND B DESIGNATION
ADF8H	WHITE REFERENCE DATA DESIGNATION
ADF9H	OFFSET DESIGNATION
ADFAH	GAIN DESIGNATION
ADFBH	SUPPLEMENTARY
BD00H ~ BD7FH	WHITE REFERENCE DATA SETTING FOR EACH DOT
BD80H	HEAD ID SETTING
BD81H	TEMPERATURE SETTING
BDE0H ~ BDE4H	ACCUMULATION TIME SETTING
BDF0H	MONOCHROME DESIGNATION
BDF1H ~ BDF3H	R, G, AND B DESIGNATION
BDF8H	WHITE REFERENCE DATA DESIGNATION
BDF9H	OFFSET DESIGNATION
BDFAH	GAIN DESIGNATION
BDFBH	SUPPLEMENTARY
D000H	START OF HEAD EXCHANGE
D100H	END OF HEAD EXCHANGE

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FIG. 24



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FIG. 25

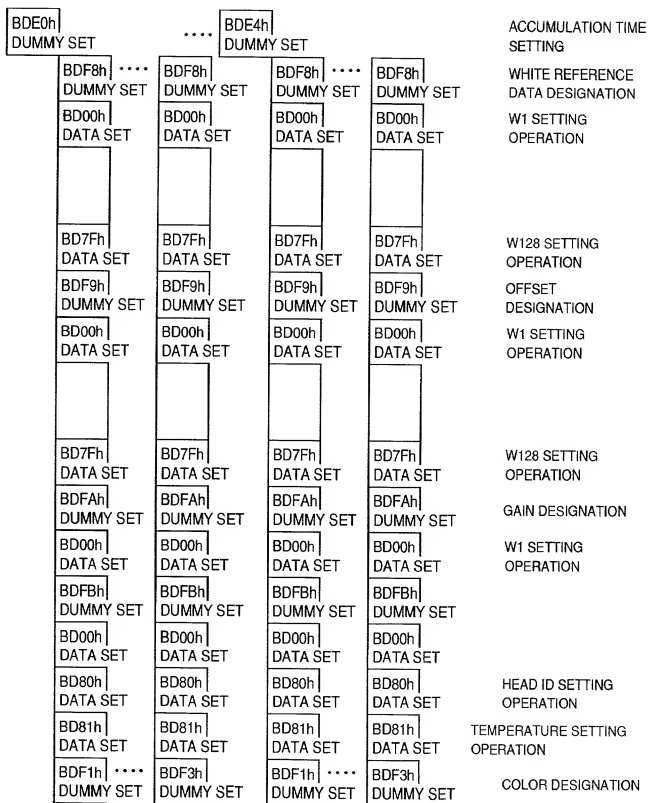


FIG. 26

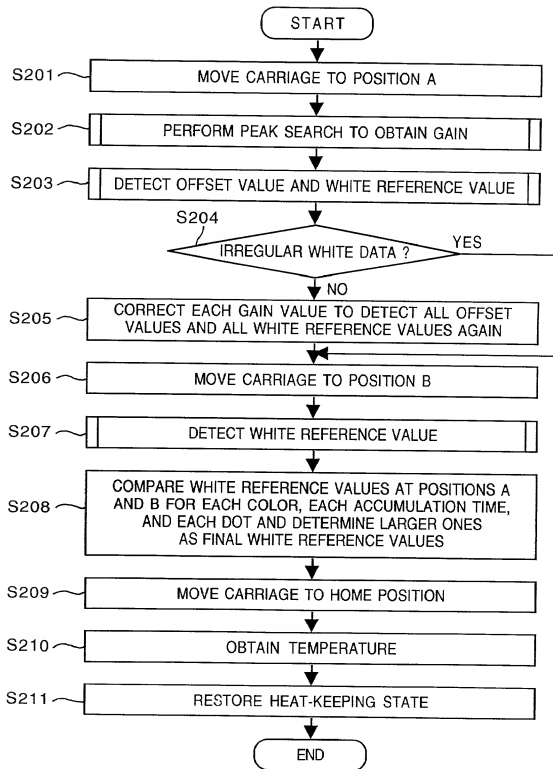


FIG. 27

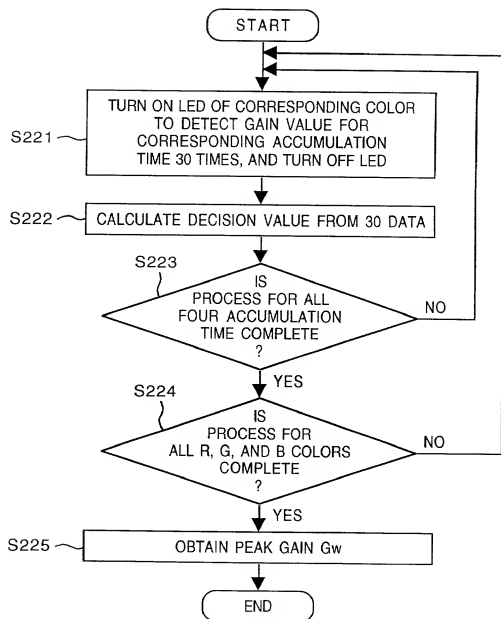
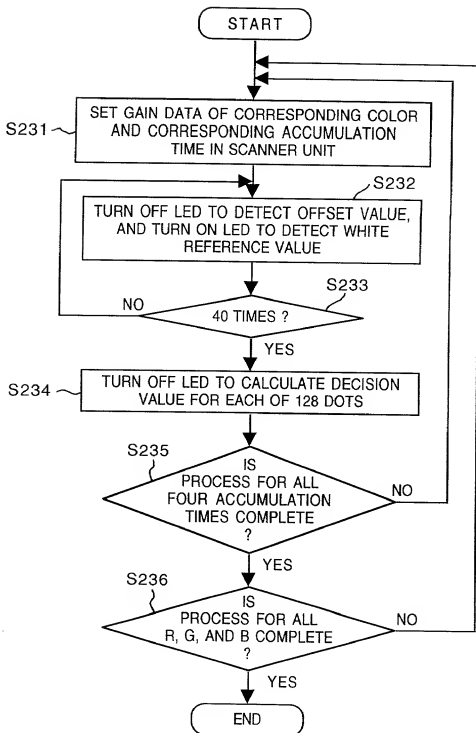


FIG. 28



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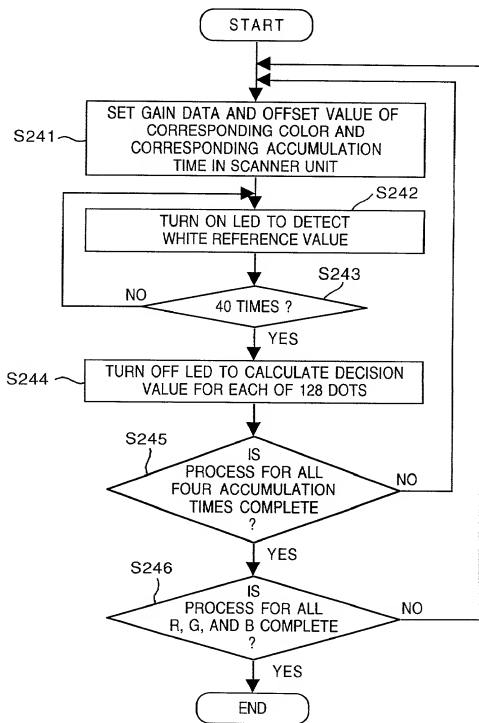
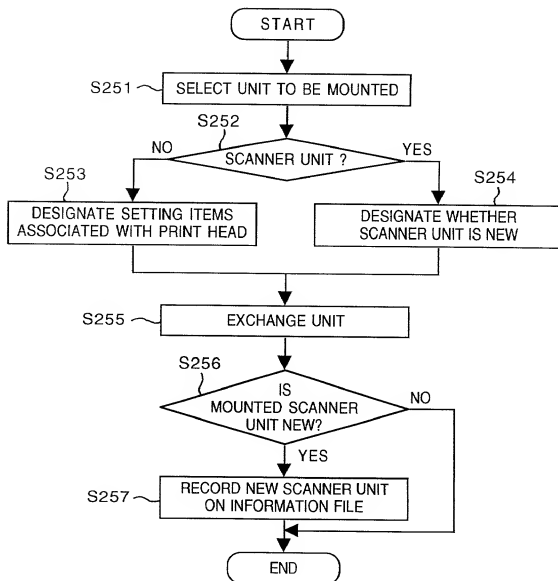


FIG. 30



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FIG. 31

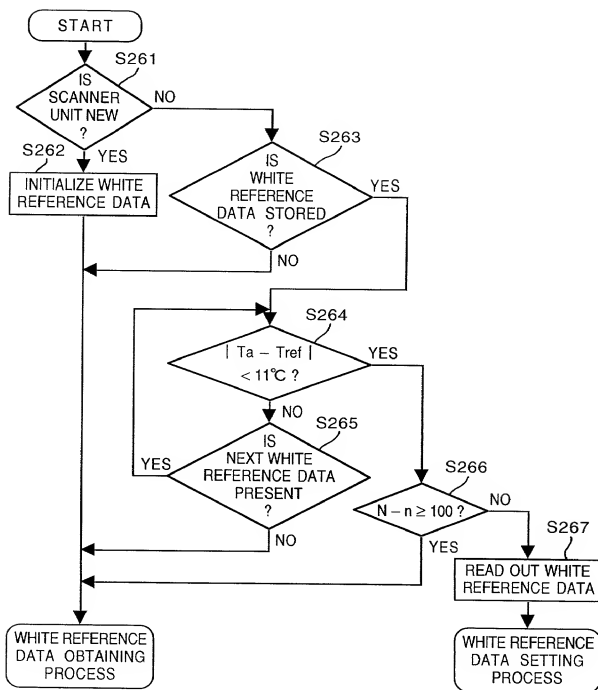


FIG. 32

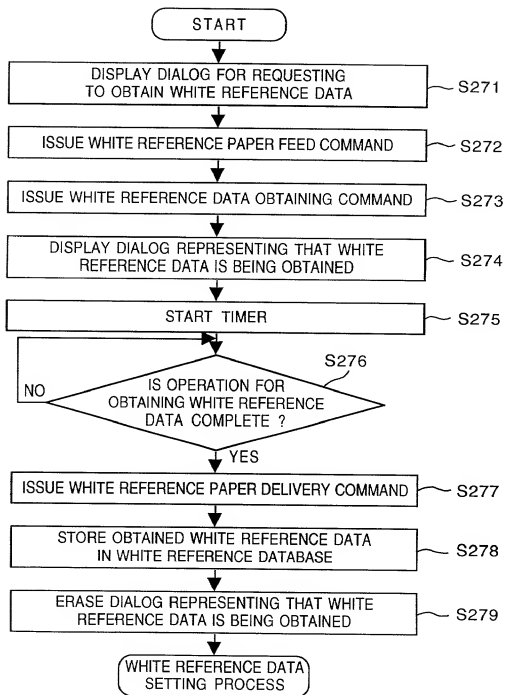


FIG. 33

